

REMARKS

This amendment is submitted in order to fulfill the obligations under the Continued Prosecution Application of this application.

The examiner has objected to the drawings. New drawings will be submitted as soon as they are obtained from the draftsmen. We will take care to delineate the correct numbers as set forth in the specification and delete number 22, 23, 24 from the drawings in as much as they do not appear in the specification.

The examiner has stated the claim 1, the limitation "the walls", that there is insufficient basis for this limitation in the claim however applicant submits that if you have a groove, there must inherently be walls.

The examiner states that claims 24 and 25 were objected to because the language is not in the disclosure. Applicant submits that claims 24 and 25 are described in the specification in page 3, lines 9-13.

The examiner has rejected the claims 1, 2, 9 and 10 under 35 U.S.C. 102(b) as being anticipated by Kakabaker et al, US Patent No 4,743,034. Applicant submits that Kakabaker's radial groove does not extend between the housing and the shaft.

Claims 1-6, 9-14 and 18-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Orlowski, US Patent No 5,174,583. The examiner states that Orlowski discloses a stator 12 affixed to a housing 60 and surrounding a shaft 100. The stator having a radial groove 14 created from the wall 20 and adjacent walls thereof. Applicant submits that Orlowski does not have stator walls extending from the housing to the shaft as required by the claims.

The examiner has rejected claims 18-26. Orlowski does not show a stator wall extending from the housing to the shaft and where the first wall faces the interior of the housing. The stator in Orlowski '304 is solid from the housing to the shaft and does not have a cavity or groove therein and is closely aligned with the rotor which would fill any cavity or groove that might be derived from the structure shown. No such cavity is shown so one must generate a cavity to utilize Orlowski to anticipate this invention.

The examiner has rejected claim 7 and 15 under 35 U.S.C. 103(a) as being unpatentable over Orlowski 5,174,583. In Orlowski '583 the cavities 14 certainly do not extend from the housing to the shaft, they extend between the rotor and the stator as clearly shown in figure 1. Orlowski does not disclose the claimed invention because there is no cavity in the stator as required by claims of this patent application.

The examiner has rejected claims 8 and 16 under 35 U.S.C. 103(a) as being anticipated over Orlowski and in view of Kakabaker, utilizing Kakabaker to disclose a drain that could be either a hole or a slot, however the novelty resided not in the nature of the slot but in the protection of the slot from overload as provided by applicants invention.

The examiner has rejected claim 17 under 35 U.S.C. 103(a) as being unpatentable over Orlowski as applied to claim 1 and further in view of Fedorovich 5431,414. The examiner states that Orlowski discloses the invention substantially as claimed above which has been discussed plurality and does not disclose a plurality of axial holes in the first wall. Fedorovich discloses that an axial hole in first wall (figure 2) or a plurality of axial holes in a first wall (figure 8). The examiner has stated that it would be obvious to make the axial hole of Orlowski to be a plurality of axial holes as taught by Fedorovich since there are considered to be art equivalent. The

examiner has stated that it would be obvious to modify a wall which extends from the housing to the shaft with a plurality of holes which would be at the extremity of the walls and not interfere with the novel approach of applicants invention of having a portion or a wall of the stator extending from the shaft to the housing. Fedorovich shows his drain or axial holes adjacent to the shaft while applicants holes must not be adjacent to the shaft because the entire invention would be inoperable or operate as the prior art rather than as its invention.

Applicant believes that this application as now presented is in condition for allowance and action to that effect is respectfully requested.

Respectfully submitted,

IsoTech of Illinois, Inc.,

Date: 10-17-01

By



H. Vincent Harsha
Reg. No. 18,045

ROCKEY, MILNAMOW & KATZ, LTD.
Two Prudential Plaza
180 North Stetson Avenue - Suite 4700
Chicago, Illinois 60601
Phone: (312) 616-5400
 (309) 797-0864
Fax: (312) 616-5460
 (309) 764-1485

MARKED UP VERSION OF THE CLAIMS

2. (once amended) An isolator accordance with Claim 1, wherein said radial groove is more [that] then one-half the [radially] radial dimension of said stator.

9. (once amended) An isolator mechanism for use with a housing having a bearing with lubricant in a housing and a shaft protruding through the housing, the isolator comprising:

- a) a stator affixed to the housing and surrounding the shaft;
- b) said stator having a plurality of radial grooves formed therein with the walls of said grooves extending between said housing and said shaft;
- c) the exterior surface of [a] the first wall of the first of said grooves facing the interior of the housing;
- d) an axial hole [in said] in said walls at the extremity of said walls from said shaft connecting said grooves to said cavity.

17. (once amended) An isolator mechanism for use with a housing having a bearing with lubricant in the housing and a shaft protruding through the housing, to isolator comprising:

- a) a stator affixed to the housing and surrounding the shaft;
- b) said stator having a radial groove formed therein with the walls of said groove extending between said housing and said shaft;
- c) the exterior surface of a first wall of said [cavity] groove facing the interior of the housing;
- d) a plurality of axial holes in said first wall at the extremity of said first wall from said shaft connecting said groove to said housing.

18. (once amended) An isolator mechanism for use with the housing having a bearing with lubricant in the housing and a shaft protruding [though] through the housing, the isolator comprising:

- a) a stator affixed to the housing and surrounding the shaft;
- b) said stator having a radial groove formed therein with the walls of said grooves extending between said housing and said shaft;
- c) the exterior surface of the first wall of said groove facing the interior of the housing;

- d) an axial hole in said first wall at the extremity of said first wall from said shaft connecting said groove to said [cavity] housing;
- e) a rotor affixed to said shaft and rotating therewith interfacing with said stator.